



National Weather Service

AWIPS Software Recommendation and Evaluation Committee (SREC) Status Meeting

September 24, 2005
Systems Engineering Center



Agenda



- **SREC Website**
- **OB7 Status**
- **Address process for small maintenance items**
- **Support for process improvements**
- **Remaining OB7 SREC activities**
- **Next Meeting Agenda**



SREC Website



- **SREC Charter**
 - *Describes authority, purpose, responsibilities and functions, membership, support staff, meeting structure and SREC Process.*
- **SREC Point of Contact**
 - *Lists SREC planning team, area advocates, field representation, OCWW, development organizations and training members.*
- **SREC Meeting Presentations**
 - *Microsoft Powerpoint presentations prepared for each SREC meeting.*
- **SREC Meeting Minutes**
 - *Meeting minutes and actions.*
- **Operational Build Contents**
 - *Description of the contents of each release.*
- **AWIPS Release Schedule**
 - *Schedule for development, testing and deployment of AWIPS releases, including OB releases, infrastructure updates, and application releases.*
- **AWIPS Master Lists**
 - *Master lists of requirements generated by the SREC during December 2005 to support the OB7 SREC process.*
- **OSIP Status**
 - *Describes the status of OSIP tasks.*



OB7 Status



Development

- ***COTS Changes finalized***
- ***Compiling a milestone schedule for each development task (9/30)***
- ***Compiling list focal points for each development task***
 - *Developers will use the SREC Point of Contact until a focal point list is finalized*
 - *Responses received from OCWWS, Training, OOS, CR, SR, AR, SEC*
 - *Responses due from ER, WR, PR*
- ***OB7 Kickoff meeting schedule for 10/6***



OB7 Status



Content

- **Proposal to add FX-NET**
 - Continued funding requested by AWIPS Program Manager
 - FX-Net has become critical in providing real-time access to the data IMET's needs.
- **WRF Simulated Reflectivity Grids**
 - Submitted by ER for March 2006 implementation
- **Climate**
 - Submitted by ER on behalf of all regions
 - Transmission of preliminary F6 product (CF-6)
 - Have a final line appended to the CF-6 product
- **Key West Identifier Change**
 - Moving to new facility
 - Jan/Feb 2006 – EYW to KEY



OB7 Status



- **Content**

- ***New High Resolution Global SST analysis.***

- *1/12 deg resolution (current analysis product is 1/2 degree resolution)*
- *Current SST grid is available on the SBN.*
- *NCEP and is not planned to be discontinued until after the WRF implementation.*
- *ER would like to see the new SST analysis grid replace the old (current) analysis on the SBN/AWIPS.*
- *The new grid is larger, but it is only 1 grid per day.*
- *Development-wise, we are already downloading this grid from the NCEP ftp server and displaying it in AWIPS, so we can provide any necessary file modifications.*
- *Since the current SST analysis will terminate sometime in the spring, it seems logical to replace it on the SBN with the new hi res analysis.*



How to Handle Small Enhancements



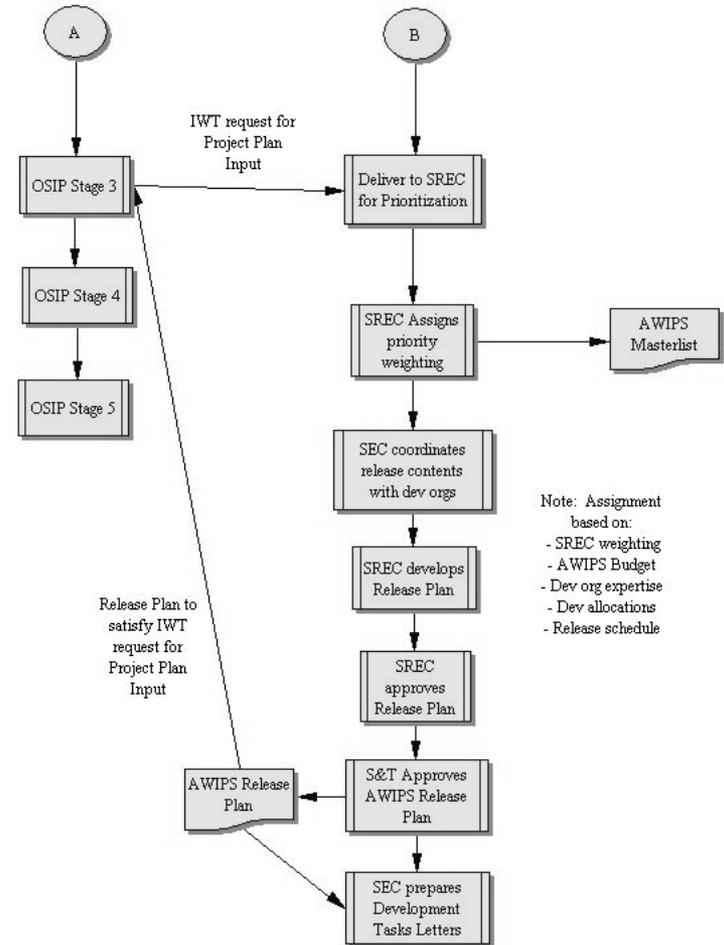
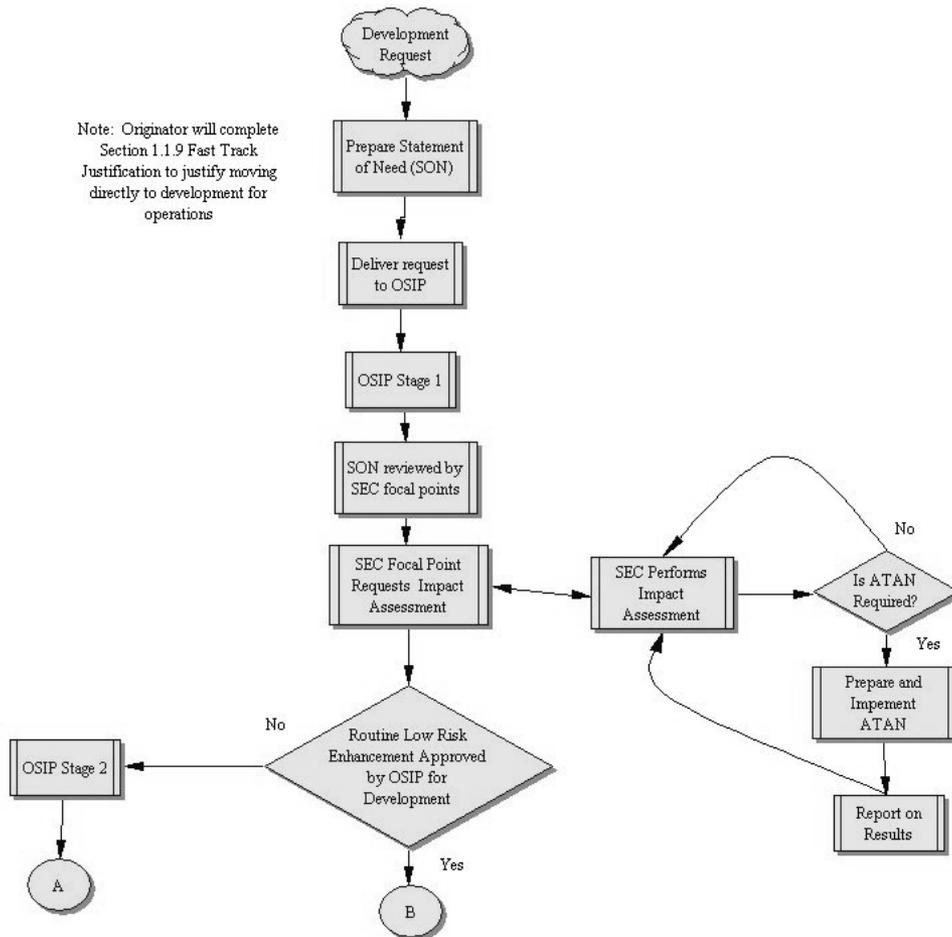
- **Three options being considered**
 - **Send a RC to the CCB**
 - *CCB does not believe it is necessary for these types of changes to go through a CCB*
 - *CCB does not have resources or expertise to review RCs*
 - *Proposal rejected by CCB*
 - **Send a SON to OSIP**
 - *OSIP doesn't have a streamlined process for these types of changes*
 - *An OSIP "Lite" proposal has been provided to the OSIP team for consideration (following slides)*
 - **Send to SREC (last resort)**
 - *SREC develops it's own process*
 - *Will need to create method to track enhancements*
 - *Will require infrastructure to manage change*



Proposed OSI "Lite" Process



Note: Originator will complete Section 1.1.9 Fast Track Justification to justify moving directly to development for operations



Note: Assignment based on:
 - SREC weighting
 - AWIPS Budget
 - Dev org expertise
 - Dev allocations
 - Release schedule



How to Handle Small Enhancements



- **Proposed additions to SON to allow for Fast Track processing**
 1. ***Title***
 2. ***Contact Point***
 3. ***Description***
 4. ***Justification***
 5. ***Existing capabilities/capacities and limitations related to the need***
 6. ***Benefits and Performance Impact***
 7. ***Key Customers and Stakeholders***
 8. ***Supporting Information***
 9. ***Fast Track Justification***
 1. *Area or Product Affected*
 2. *Type of Change*
 3. *Statement of Requirement, Problem, or Deficiency*
 4. *Reason for Change: New, Enhancement, Clarification, Deficiency*
 5. *Known or Proposed Solution*
 6. *Alternative Solutions*
 7. *Current Workarounds*
 8. *Operational Concept*
 9. *Requirements Specification (Functional, Scientific, Technical)*
 10. *Requested Implementation Date and Rationale*



How to Handle Small Enhancements



- **The request will be reviewed by SEC and evaluated based on the following criteria**
 - ***No Exploratory Research Evaluation required***
 - ***No security impacts***
 - ***Data is less than 50 mbytes/hr and familiar (low risk) data stream***
 - ***Communications traffic volume will not impact terrestrial WAN or SBN***
 - ***Software development effort to design, develop, test and implement is less than 2 months***
 - ***Utilization of CPU, RAM, disk I/O, LAN network I/O and disk storage likely to increase less than 1% of total available on target platform***
 - ***No direct cost for project implementation, any recurring cost, logistics or maintenance cost and no anticipated future replacement or upgrade cost. Only cost is the development, testing and deployment.***
 - ***Requirement specification is complete. Justification is complete.***
 - ***Only AWIPS development and integration resources are required.***



How to Handle Small Enhancements



- **Tasks identified as a low risk by the OSIP Gate 1 committee will be submitted to the SREC for approval and, prioritization and placement into a release**
- **Tasks identified as a medium or high risk and will continue down the OSIP path**



Remaining OB7 SREC Activities



- **Define application release contents**
- **Finalize handling of small maintenance items**
- **Finalize support staff for process improvement**
 - *Identify approval authority for each development task and review (Requirements, User Interface, Test Plan and Procedures)*
 - *Identify field representatives for development testing*
- **Identify status of AWIPS Masterlist conversion and OSIP tasks**



Next Meeting Agenda



- **Meeting to be held on October 25 at 2:30pm EDT**
 - ***OB7 Status***
 - ***Application release contents - draft***
 - ***Address process for small maintenance items***
 - ***Review status of AWIPS Masterlist conversion and OSIP tasks***
 - ***Planning for OB8***